WESKER
AND
BROTHER

ST. LOUIS,
MISSOURI.

Mesker & Brother

Manufacturers of

Fire-Proof Steel Stairs

Fire-Proof Metal Wire Glass Windows, Wrought Steel Fire-Proof and Wire Glass Windows, Tin Clad Fire Shutters and Doors.

421 to 519 South Sixth Street.

LONG DISTANCE TELEPHONES
KINLOCH, CENTRAL 256
BELL, MAIN 862

St. Louis, Mo.

WE are placing on the market our new "COMBINATION STEEL and CONCRETE STAIR" (patent pending), consisting of a frame of steel with treads of concrete 1½ inch thick, making same completely fireproof and meriting the consideration of Architects, Engineers, Contractors, School Boards and Owners requiring a stair that is non-combustible and economical in price. It is light in weight, but exceptionally strong and substantial, easily and quickly erected by any mechanic.

They are especially adapted to Schools, Colleges, Theatres, Office Buildings, Apartment Houses, Store Buildings, Warehouses, Hotels, Hospitals, Power Houses, Foundries, Factory Buildings, Car Barns, R. R. Stations and Shops, and other industrial and fire-proof buildings or structures where inexpensive fire-proof stairs are wanted. Can be used in connection with plain or ornamental railing. Can be made any width, risers any desired height and treads any width.

On pages 4 and 5 are shown a few designs with ornamental railings and different arrangements that are susceptible to change or rearrangement suitable to the requirements. We also show a section through stringers, treads and risers, and how same are constructed and bolted together, making a rigid job. Risers rounded off at intersection with treads prevent accumulation of dirt.

Send us your requirements in the way of a rough sketch, giving width of stairs, height from floor to floor, run of same where run is limited, and where unusual conditions exist, show or describe them fully, and our lowest delivered price will follow at once.

Specifications for Mesker's Combination Steel and Concrete Stair (patent pending)

Frame of steel plates with 1½ in. thick concrete treads.

Outside stringers of 3/16 in., No. 12 steel bent channels 8 in. or more in width.

Wall stringers of 3/16 in., No. 12 steel bent channels same width as outside stringers.

Treads for stairs 3 ft. 6 in. wide and under No. 14 steel.

Treads for stairs over 3 ft. 6 in. wide of No. 12 steel.

Treads to rest on and be securely riveted or bolted to angles 1¼ x 1¼ x 3/16 in. bolted to stringers.

Risers and treads formed in one piece to have the lower V edge turned outward at intersection of concrete tread to prevent dirt accumulating.

Platforms or landings of No. 12 or No. 14 steel plates with nosings same as tread and supported on 1¼ x 1¼ x 3/16 in. angles well riveted or bolted to stringers.

All treads and platforms to be filled at building with concrete 1½ in. thick (not furnished by us), composed of one part cement and two parts sharp sand, or any other proportion preferred. No forms required.

Railings and newels as per detail.

Stringers can be ornamented by the addition of wrought iron mouldings.

Fire-Proof Metal Wire Glass Windows

For New or Old Buildings

For Office Buildings, Store Buildings, Hotels, Theatres, Schools and Hospitals, Power Houses, Warehouses, Factory Buildings, Car Barns, Jails and Other Structures Requiring Fire Protection

Our new pattern Metal Windows are the best we have ever produced, and superior in every way to all other windows in the market. Their marks of merit lie in the simplicity of their practical construction, their ease of operation and their fire retardant or fire-proofing qualities, making them the highest grade metal windows that can be installed in a new or old building.

These windows are made by the latest, modern and most powerful presses, producing the neatest moulded sash ever designed and the best proportioned windows in appearance, having the same percentage of glass to the opening as a wood window.

Our windows contain from 10% to 20% more glass surface than any other metal windows made, and we successfully compete in price with the common clumsy windows to be seen on every hand. Heretofore the efforts of manufacturers have been in the direction of using a large proportion of metal and less glass to avoid expense, resulting in a poorly proportioned, heavy appearing window, often detracting from the appearance of an otherwise attractive building.

We supply same complete with ¼ inch rough or ribbed glass, polished plate wire or a combination of both, including the special hardware, sash weights for the double hung, sash chains, and fusible links for the pivoted. We have the facilities for producing them at a lower rate than any other manufacturer.

Send us your schedule of sizes, stating the kind of windows wanted, and our lowest quotations, freight allowed to any station, will follow at once.

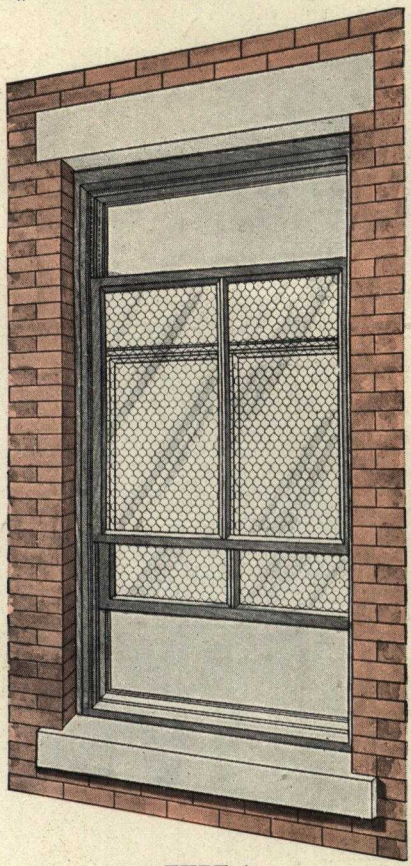
A Partial List of Recent Users of the Mesker Windows

R. S. Thompson & Son	For Own Bldg.	Pine Bluff, Arkansas
Robt. Hamilton & Co.	For Own Bldg.	Vancouver, B. C., Canada
Eagle Roofing and Art Metal Works	For State Laboratory, Tampa, Florida	Tampa, Florida
H. L. Stevens & Co.	For Solomon Bldg., Helena, Ark.	Atlanta, Georgia
Sanford Sash and Blind Co.	For Monroe Office Bldg.	Sanford, "
C. M. Parker	For The School News Printing Establishment.	Taylorville, Illinois
Bosse Furniture Co.	For Henderson Desk Co., Henderson, Ky.	Evansville, Indiana
Ft. Wayne Fire Protection Equip. Co.	For C. L. Centlivre Brewing Co.	Ft. Wayne, "
A. Kiefer Drug Co.	For Own Warehouse Bldg.	Indianapolis, "
Morrow & Morrow	For Muncie Electric Light Co.	Muncie, "
J. C. Mardis	For Des Moines Life Bldg.	Des Moines, Iowa
G. W. Parsons & Co.	For Own Bldg.	Newton, "
G. A. Richards Co.	For Sewage Pumping Station.	Grand Rapids, Michigan
S. L. McGinnis & Co.	For Odd Fellows Hall Bldg.	Greenwood, Mississippi
Harvey & Kitchell Brick Plant	For Humphrey & Co. Office Bldg.	" "
Harrison Bros.	For Johnson Bldg.	Greenfield, Missouri
St. Louis Cooperage Co.	For Own Bldg.	St. Louis, "
Kellerman Contracting Co.	For L. & A. Scharff Distilling Co.	" "
Union Electric Light and Power Co.	For Main Plant.	" "
D. L. & W. Ry. Co., G. J. Ray, Chief Engineer	For Machine and Erecting Shop, Scranton, Pa.	Hoboken, New Jersey
Chas. Ilfeld Co.	For Warehouse.	Las Vegas, New Mexico
A. B. Brown	For Geo. Irish Paper Corporation Warehouse	Buffalo, New York
Keepsdry Construction Co.	For Mullin & Buckley, Far Rockaway, L. I., N. Y.	New York, "
R. H. Brady,	For Store and Chapel of the Seamen's Friend Society Bldg.	Wilmington, No. Carolina
J. N. Bastress & Co.	For W. J. Jennings Commercial Bldg.	Harrisburg, Penn.
Kremer Bros.	For First Nat'l Bank, Milton Pa.	Pottsgrove, "
P. A. Schell & Co.	For Berkey Office Bldg.	Somerset, "
E. J. & W. K. Dunne	For Sumter Ice, Light and Power Co.	Sumter, So. Carolina
James Robertson	For Windedahl Bros. Block.	Madison, So. Dakota
Sorensen & Morgan	For Rio Grande Bldg.	El Paso, Texas
G. E. Ramsey,	For New City Hall.	Sweetwater, "
A. M. Walkup	For American Nat'l Bank Bldg.	Richmond, Virginia
Engelby & Bros. Co.	For County Court House, Salem, Va.	Roanoke, "
Bluestone Traction Co.	For Car Barn.	Bluefield, West "
Weinberg Construction Co.	For Wood County National Bank Bldg.	Grand Rapids, Wisconsin

A Partial List of Recent Users of the Mesker Stairs

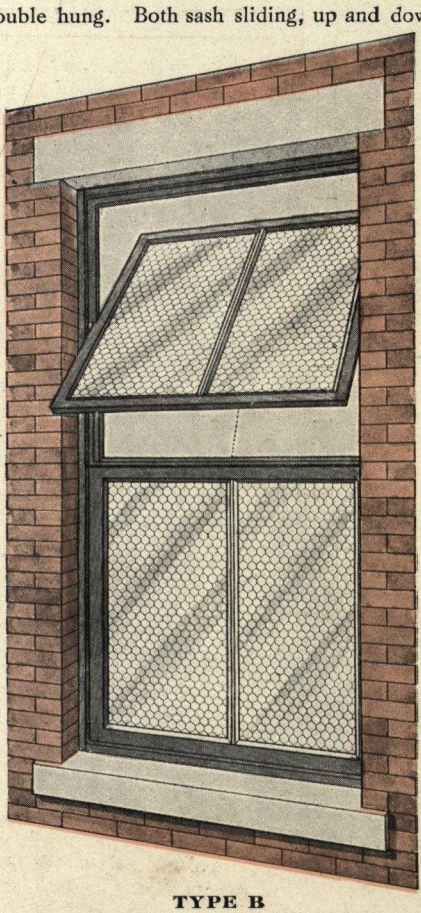
Williams & Watson	For L. D. S. Academy	Thatcher, Arizona
Burke & Cowdin	For Graham-Sykes Bldg., Muskogee, Okla.	Fort Smith, Arkansas
W. E. Kier	For Hutchinson, Kan., Ward School.	Colorado Springs, Colorado
Herman Metz	For Cackley Bldg.	Clinton, Illinois
T. B. McDonald	For Jerry Wilcox Bldg.	Lovilla, Iowa
School District No. 82	For Gypsum City High School.	Gypsum, Kansas
Mayfield Water & Lt. Co.	For Own Bldg.	Mayfield, Kentucky
D. Sims Brown	For Mt. Gerizine Lodge No. 54, A. F. & A. M.	Bastrop, Louisiana
S. W. Ross	For First State Bank.	So. Haven, Michigan
J. W. Vincent	For Reveille Bldg.	Linn Creek, Missouri
C. L. Gray Construction Co.	For Funsten Bros. Fur Co.'s Bldg.	St. Louis, "
W. H. Lester Construction Co.	For Mercantile Library Bldg.	" "
Selden-Breck Construction Co.	For Home Telephone Bldg., St. Joseph, Mo.	" "
Lease & Richards	For G. W. Ryan Warehouse.	Great Falls, Montana
T. W. Engles	For Own Bldg.	South Auburn, Nebraska
J. B. Reid	For First National Bank, Thousand Islands.	Alexandria Bay, New York
Centennial Building Co.	For Telephone Exchange.	Perrysburg, Ohio
Mudd Mercantile Co.	For Mercantile Bldg.	Walters, Oklahoma
T. V. Garlock	For Own Bldg.	Custer, South Dakota
J. C. Berry	For Dunlap & Britan Bldg., Hereford, Texas.	Amarillo, Texas
J. R. Meek	For Own $15,000 Residence.	Burk's Garden, Virginia

Fire-Proof Metal Wire Glass Windows



TYPE A

Double hung. Both sash sliding, up and down.



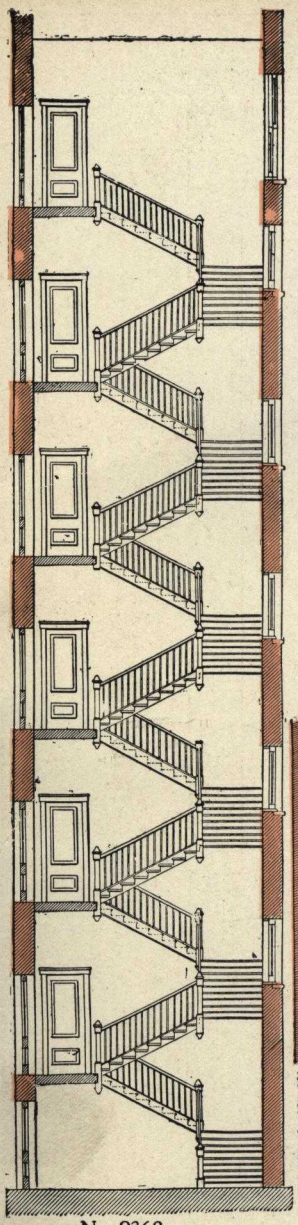
TYPE B

Standard pivoted. Upper sash pivoted, lower sash stationary.

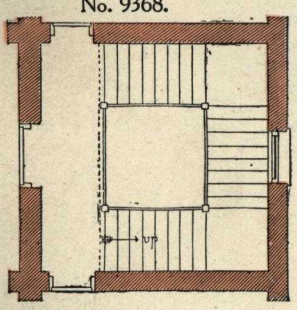
Our Fire-Proof Metal Windows are examined and labeled under the direction of the National Board of Fire Underwriters.

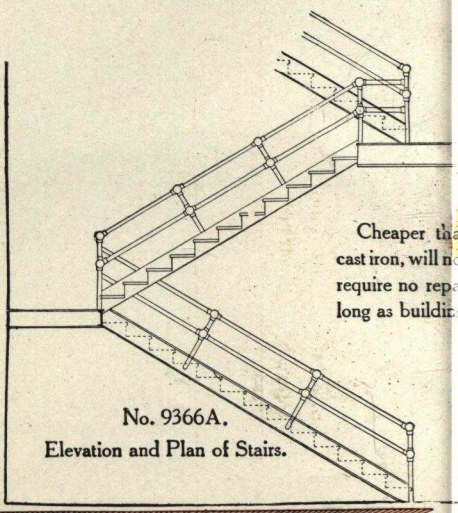
Fire-Proof Combinati
Interio

For Schools, Theatres, Apar
Other Structures Requ



No. 9368.





No. 9366A.
Elevation and Plan of Stairs.

Cheaper tha
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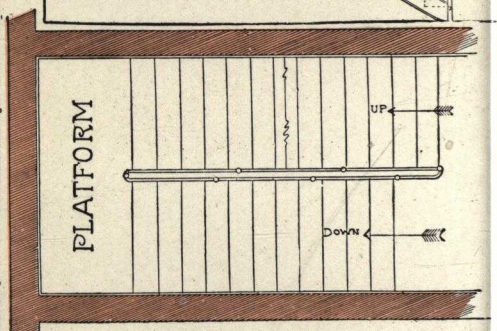
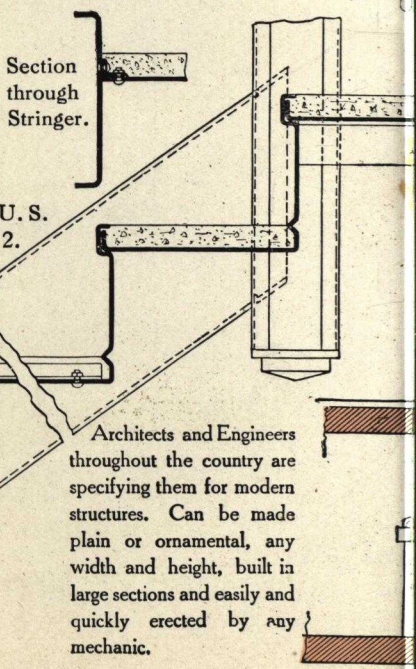


Send for specifications and mail us your requirements in the way of a rough sketch giving width of stairs, height from floor to floor, run of same where run is limited, and where unusual conditions exist, show or describe them fully, and our lowest delivered price will follow at once.

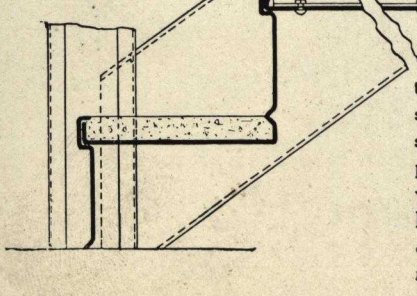
Illustration No. 9368 shows plan and elevation of stairs installed in the new six-story Ferguson-McKinney Dry Goods Co. Building, St. Louis, Mo.



Section through Stringer.

Our Stairs are in use in all parts of the U. S.
For a partial list of users see page 2.

Section through Treads and Riser.

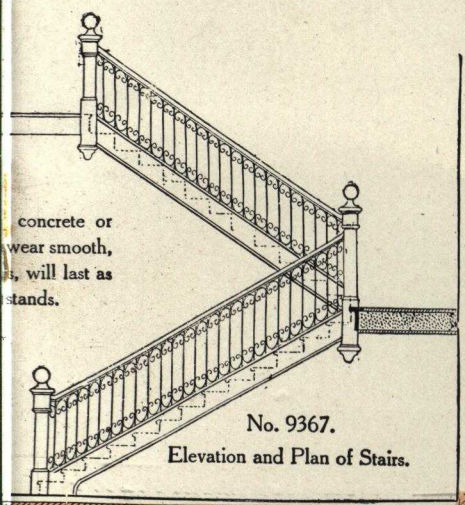


Architects and Engineers throughout the country are specifying them for modern structures. Can be made plain or ornamental, any width and height, built in large sections and easily and quickly erected by any mechanic.

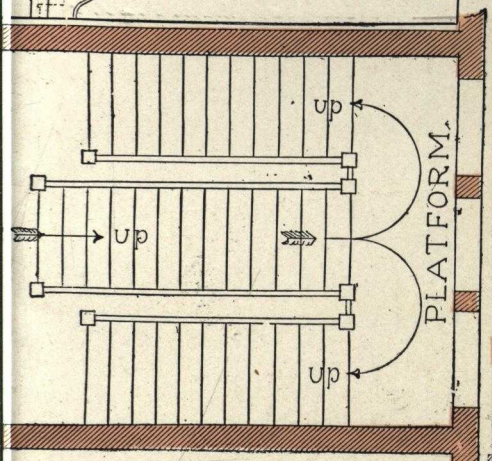
ın Steel and Concrete Stairs

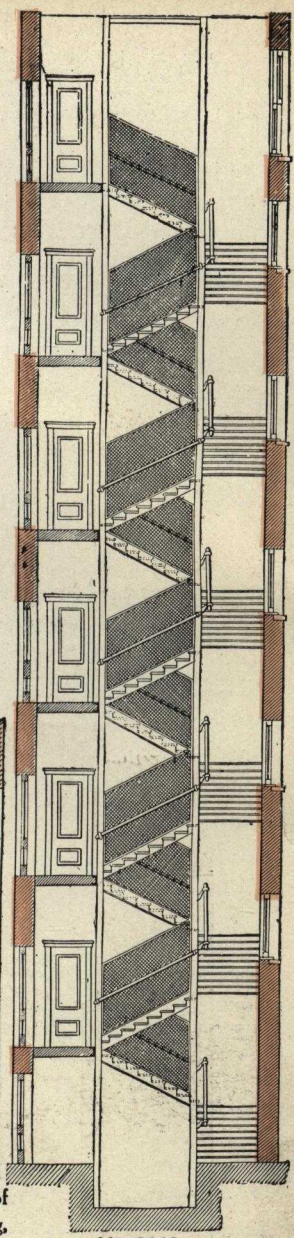
nent Houses, Warehouses and ring Fire-Proof Stairs

concrete or
wear smooth,
, will last as
stands.



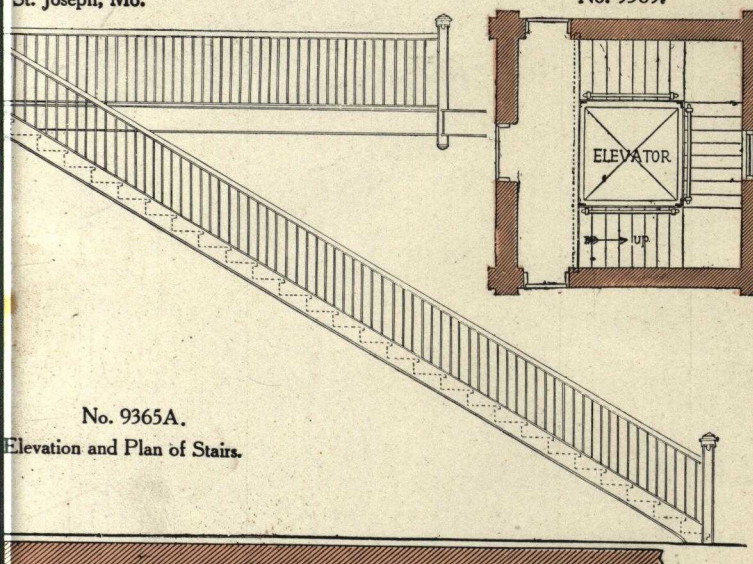
No. 9367.
Elevation and Plan of Stairs.



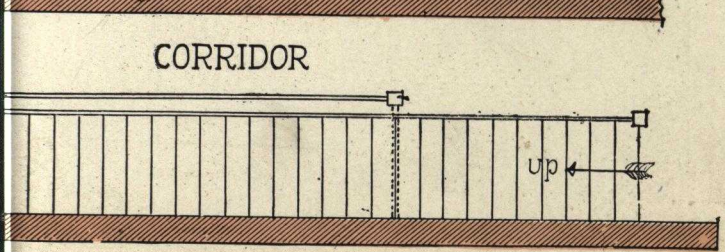


No. 9369.

Illustration No. 9369 shows plan and elevation of stairs installed in the new Tootle-Campbell Building, St. Joseph, Mo.



No. 9365A.
Elevation and Plan of Stairs.



Solid Section

Fire-Proof Steel Sash

... For ...

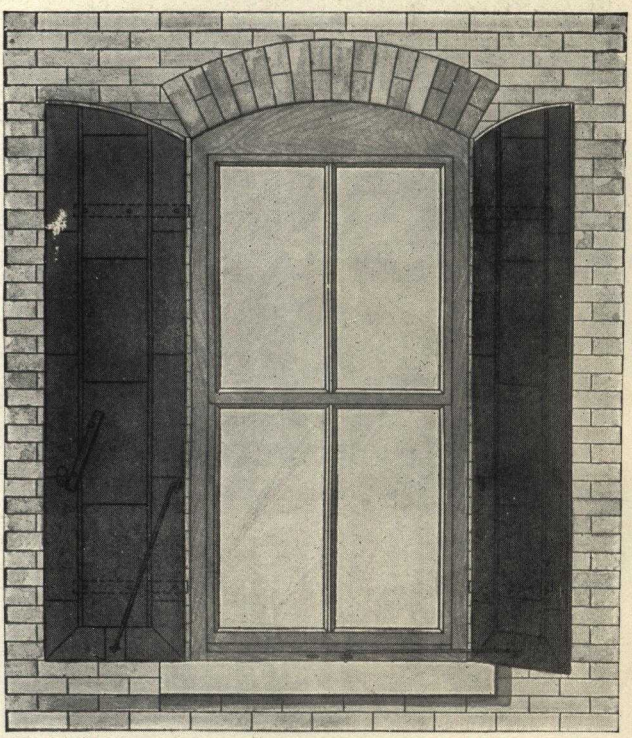
Warehouses, Foundries, Factories, Mills, Car Barns, Railroad Stations and Shops, and Other Industrial Structures

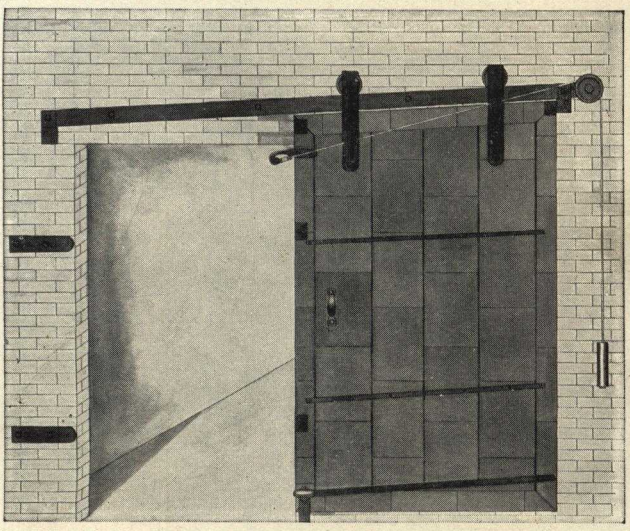
OUR SASH are made of the highest grade rolled steel, constructed without weakening of frame at joints, giving the greatest strength and maximum light area; the greater area of the window opening is available for lighting purposes in contrast with the ordinary wood and many metal frames, which, on account of their muntins or dividing bars and sash bars, obstruct the light.

Our Sash have a neat, finished and attractive appearance, the joints fit perfectly. The Vent Sash is doubled on all sides of frame, the sections around it cover the opening joints and so constructed that when closed is thoroughly water-proof. The hinges to the Vent Sash are strong and durable and provided with brass sleeve pivots. made of malleable Iron

We furnish complete details for this class of work

Tin Clad Fire Shutters and Doors





Our Automatic Sliding Fire Doors and Hinged Fire Shutters are built for efficiency. Experience has demonstrated their practical value as a fire retardant. The door closes automatically on the approach of heat by melting the fusible link, which releases the counter balance weight, permitting the door to close tightly by gravity. It is absolutely reliable.

Specifications

The woodwork of Fire Doors is made of three layers of narrow matched boards, dressed both sides, and when finished is 2¼ inches thick. The two outside layers of matched boards are laid perpendicular and the middle course laid at right angles, all thoroughly nailed with wrought clinch nails.

Doors have 4 inch lap on each side and at top, the top of door to conform to incline of track, which is ¾ inch to the foot.

Our doors are covered with prime quality of I. C. tin plates 14 x 20 inches, laid close to the woodwork, and all joints carefully double locked after nailing down tin, covering all nail heads. No nail heads are visible on our doors.

Tin covering is left unpainted, as it will reflect and resist heat longer than when painted.

The specification for window shutters are the same as for door shutters except only two thicknesses of boards are used, laid at right angles.

Window shutters lap 2 inches each side and at top.

When writing for prices, give exact size of opening, and if any projections at sides or lintel, or any other unusual conditions, give sketch of same.

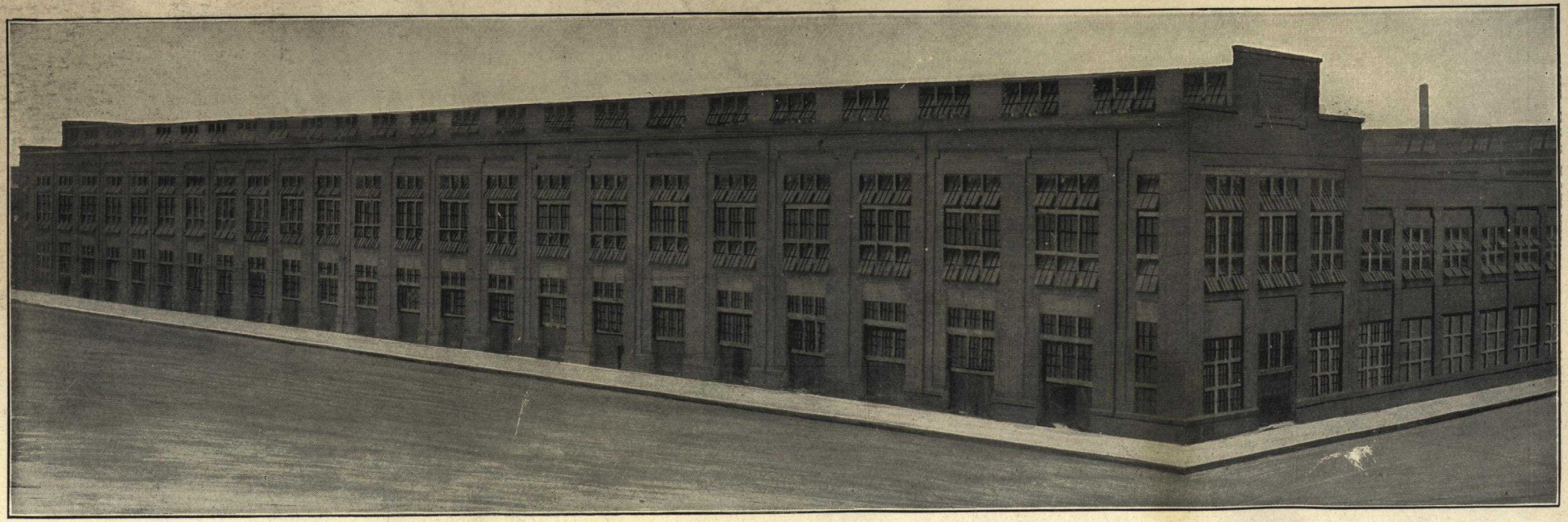
For prices on window shutters, give exact size of openings, and if hinge eyes are built in walls, give full size sketch of them so that the hinges can be made correctly.

We are prepared to make special designs to conform to any structural requirement that will meet with the approval of the National Board of Fire Underwriters.

G. J. RAY, HOBOKEN, N. J.
CHIEF ENGINEER

Delaware, Lackawanna & Western R. R. Locomotive Shops, Scranton, Pa.

F. J. NIES, HOBOKEN, N. J.
ARCHITECT



The illustration shows our Standard Type Fire-Proof Metal Windows and Wire Glass, about 60,000 square feet, as furnished and installed by us. The cut shows only one-fourth of the structure.

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FOR
PRESERVATION
TECHNOLOGY,
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